Simplicity®

Parts Manual

Intermediate

Walk-Behind Snowthrowers

5HP Product

Mfg. No.	Description
1694587	555M, 5HP
1694595	555M, 5HP

8HP Product

Mfg. No.	Description
1694588	860E, 8HP
1694596	860M, 8HP

Part No.: 1731153
Rev. 02/2008
TP 400-4148-01-IW-S

PRODUCT COMPONENTS **PAGES**

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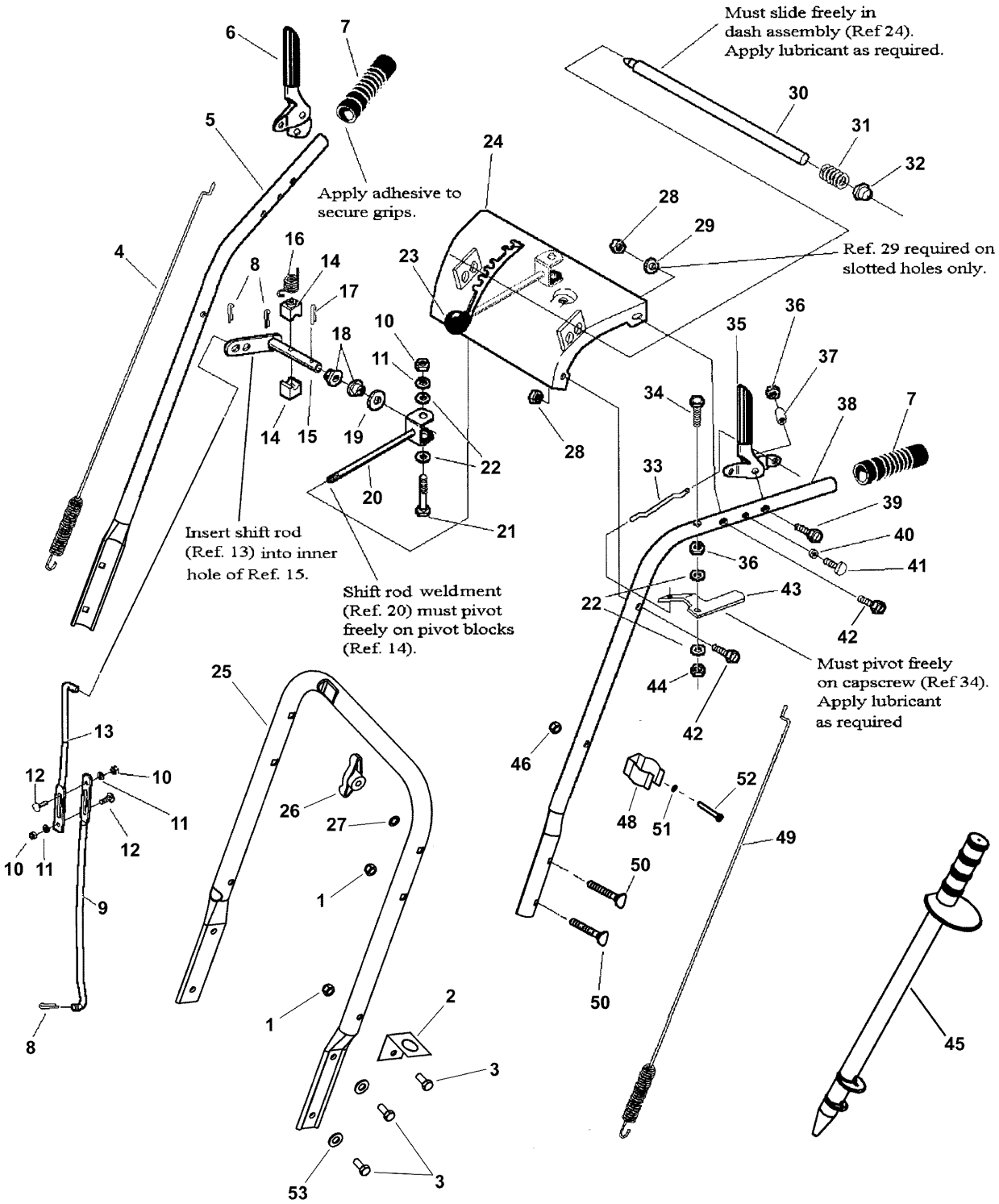
Torque Specification Chart ..... Inside Back Cover

Handles & Controls Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

070uhdc


Must slide freely in dash assembly (Ref 24). Apply lubricant as required.
Apply adhesive to secure grips.
Ref. 29 required on slotted holes only.
Insert shift rod (Ref. 13) into inner hole of Ref. 15.
Shift rod weldment (Ref. 20) must pivot freely on pivot blocks (Ref. 14).
Must pivot freely on capscrew (Ref 34). Apply lubricant as required

The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694588 - 860E
1694595 - 555M
1694596 - 860M

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Handles & Controls Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	5025057SM	2	NUT, 5/16-18 Hex Nyloc
2	1726727ASM	1	BRACKET, Snow Stick- Lower
3	1921332SM	4	SCREW, 5/16-18 x 3/4" Hex Head Cap
4	7027426SM	1	CLUTCH CABLE, Auger Drive- RH
5	1726574SM	1	HANDLE, Upper, Right Hand
6	1722638SM	1	GRIP, Clutch, RH
7	1726317SM	2	GRIP, Foam, Black
8	1722460SM	3	HAIR PIN
9	1666255SM	1	ROD, Shift, Lower
10	1916622SM	2	NUT, 1/4-20 2B Hex
11	1916964SM	3	LOCKWASHER, 1/4" Spring
12	1931317SM	2	BOLT, 1/4-20 x 2" Short Square Neck Carriage, GR 5
13	1720238SM	1	ROD, Upper, Shift
14	1668524SM	2	BLOCK, Pivot
15	1720240SM	1	SHIFT ROD PIVOT ASSEMBLY
16	1715123SM	1	SPRING, Compression
17	1918452SM	1	COTTER PIN, .125 x 1.00
18	1668185SM	2	BUSHING, .500 ID x .750 OD x .25
19	1924361SM	1	WASHER, 1/2" Flat (.531 ID x 1.250 OD x .08 Thick)
20	1668523SM	1	SHIFT ROD ASSEMBLY
21	1960705SM	1	SCREW, 1/4-20 x 2-1/4" Hex Flange Lock
22	1921319SM	2	WASHER, .250 (.27 ID x .62 OD)
23	1726734SM	1	KNOB, Tapered - 3/8-16 Internal Thread- Red
24	1726983ASM	1	DASH ASSEMBLY
25	1726572SM	1	HANDLE, Lower
26	1716632SM	2	WING KNOB, 5/16-18
27	7090391SM	2	WASHER, 5/16" Internal Tooth Lock
28	1960686SM	4	NUT, 5/16-18 Hex Flange Nyloc
29	1919326SM	2	WASHER, .312 (.34 ID x .75 OD)
30	1722633SM	1	ASSEMBLY, Rod w/Pin (Includes Ref. Nos. 31. 47, 54, 55 & 56)
31	1722690SM	1	SPRING, Compression
32	1960519SM	1	PUSH NUT
33	1722630SM	1	ROD, Hold Down
34	1960662SM	1	SCREW, 1/4-20 x 2" Hex Head Cap, GR 5
35	1722667SM	1	GRIP, Clutch, LH
36	1923358SM	2	NUT, 1/4-20 Hex Centerlock
37	1715655SM	2	SPACER, Handle
38	1726573SM	1	HANDLE, Upper, Left Hand
39	1922837SM	2	SCREW, 1/4-20 x 1-1/2" Hex Head Cap
40	1715654SM	2	SPACER, .268 ID x .394 x .165
41	1960671SM	2	SCREW, 1/4-20 x 3/4" Pan Head Torx Self-Tap
42	1921221SM	5	SCREW, 5/16-18 x 1-1/2" Hex Head Cap, GR 5
43	1722631ASM	1	LEVER, Pivot
44	1920397SM	2	NUT, 1/4-20 Hex Nyloc

Footnotes

The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694588 - 860E
1694595 - 555M
1694596 - 860M

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Handles & Controls Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

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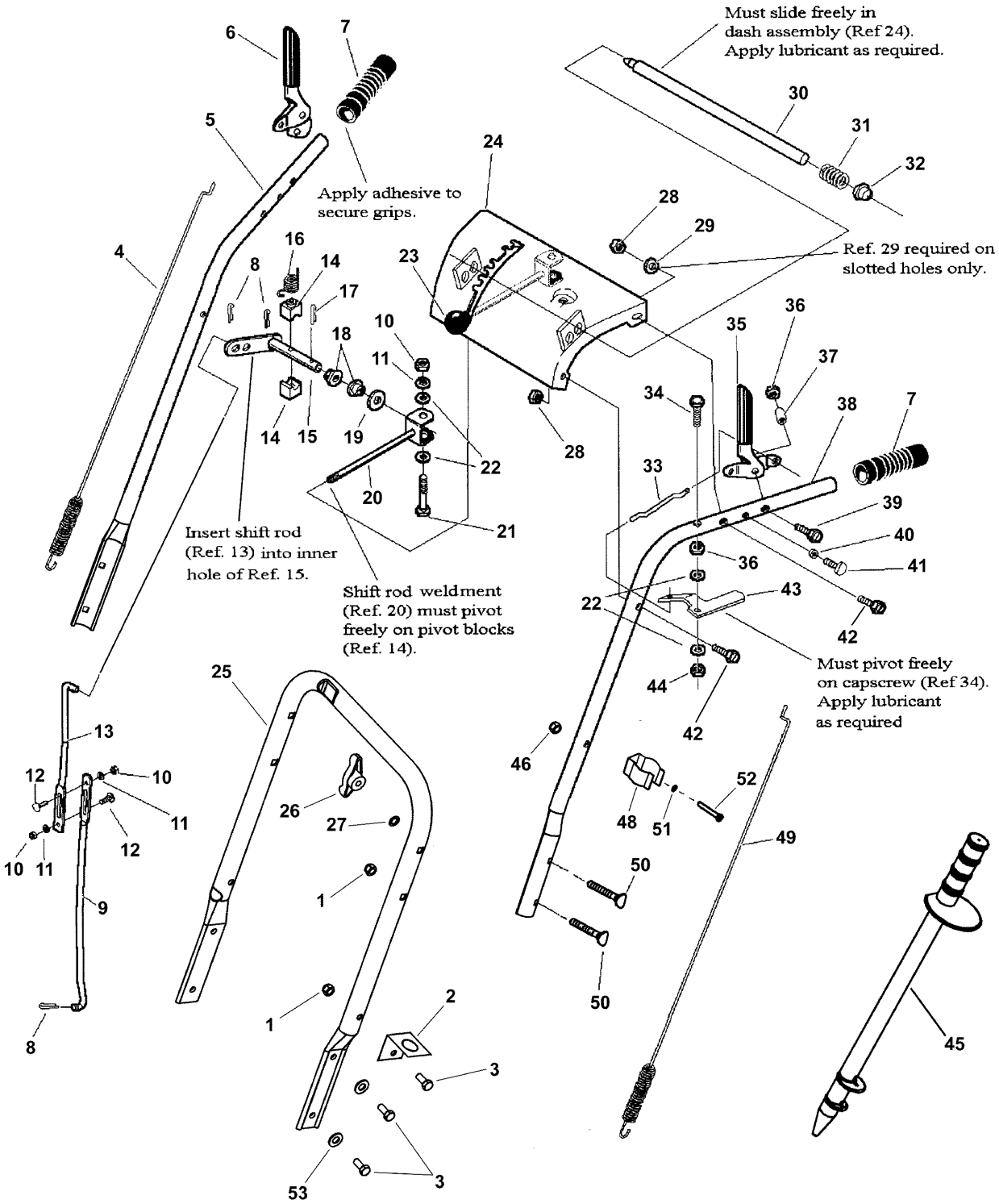
Must slide freely in dash assembly (Ref 24). Apply lubricant as required.
Apply adhesive to secure grips.
Ref. 29 required on slotted holes only.
Insert shift rod (Ref. 13) into inner hole of Ref. 15.
Shift rod weldment (Ref. 20) must pivot freely on pivot blocks (Ref. 14).
Must pivot freely on capscrew (Ref 34). Apply lubricant as required

The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694588 - 860E
1694595 - 555M
1694596 - 860M

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Handles & Controls Group

REF NO	PART NO.	QTY.	DESCRIPTION
45	7075909SM	1	TOOL, Clean-Out
46	7091267SM	1	NUT, #10-24 Hex Center Lock
47	1722632	1	ROD, Hand Control, not shown; part of item 30
48	1726728SM	1	HOLDER, Clean-Out Tool, Upper
49	7027425SM	1	CLUTCH CABLE, Ground Drive- LH
50	7091740SM	4	BOLT, 5/16-18 x 2" Curved Head Square Neck GR 2
51	7090011SM	1	WASHER, #10 Internal Tooth Lock
52	7091266SM	1	SCREW, #10-24 x 2" Hex Washer Head Machine, GR5
53	1917356SM	4	LOCKWASHER, Spring 5/16, not shown; part of item 30
54	1722635	1	BUSHING, .250 ID x .375 OD x .750, not shown; part of item 30
55	1722634	1	PIN, Clevis, not shown; part of item 30
56	1722613	1	SPRING, Compression, not shown, part of item 30

Footnotes

The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694588 - 860E
1694595 - 555M
1694596 - 860M

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Engine, Pulleys, & Frame Group - 5HP Tecumseh

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

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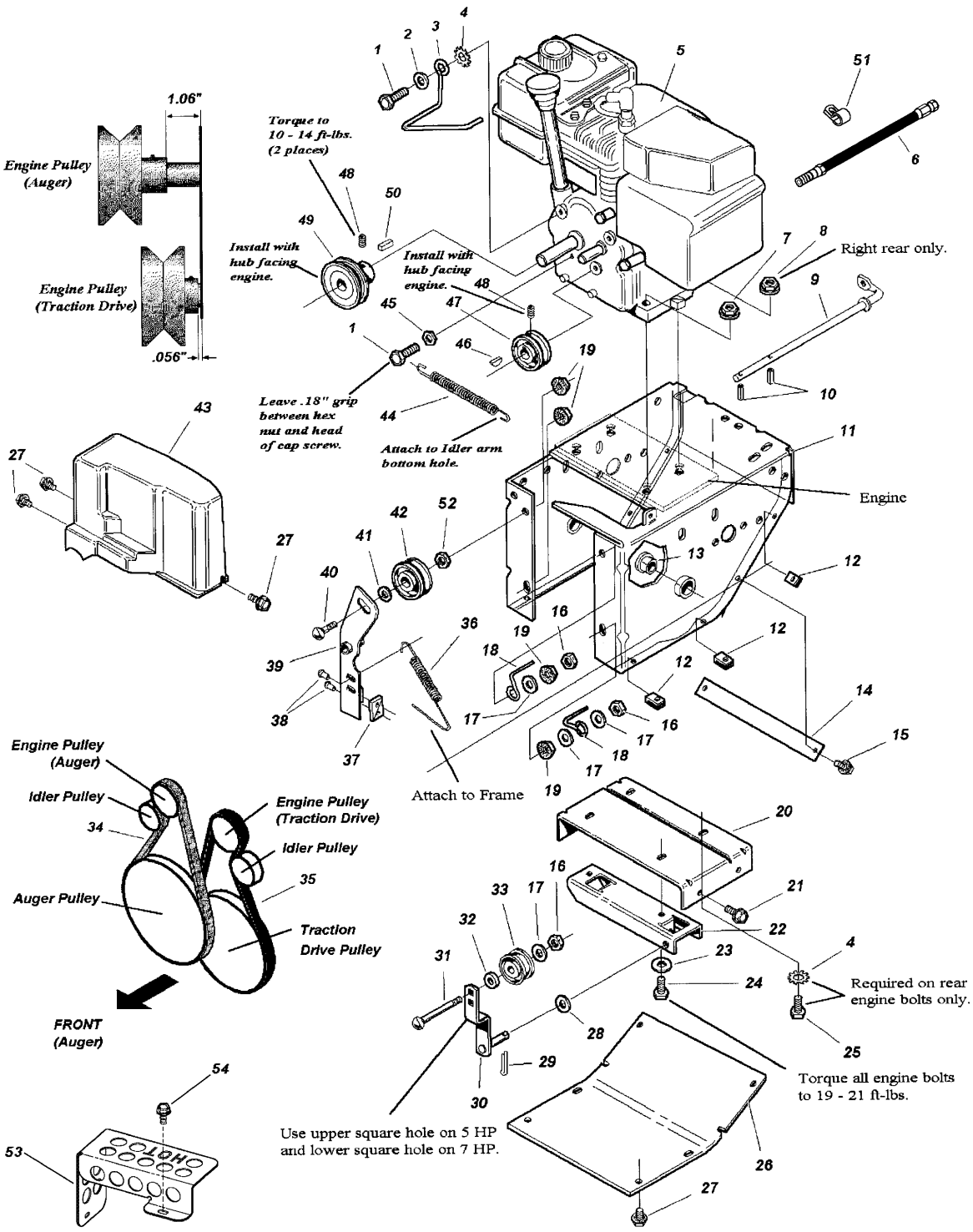
1.06"
Engine Pulley (Auger)
Engine Pulley (Traction Drive)
.056"
Torque to 10 - 14 ft-lbs. (2 places)
Install with hub facing engine.
Install with hub facing engine.
Leave .18" grip between hex nut and head of cap screw.
Attach to Idler arm bottom hole.
Right rear only.
Engine
Attach to Frame
Engine Pulley (Auger)
Idler Pulley
Engine Pulley (Traction Drive)
Idler Pulley
Auger Pulley
Traction Drive Pulley
FRONT (Auger)
Use upper square hole on 5 HP and lower square hole on 7 HP.
Required on rear engine bolts only.
Torque all engine bolts to 19 - 21 ft-lbs.

The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694595 - 555M

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Engine, Pulleys, & Frame Group - 5HP Tecumseh

REF NO	PART NO.	QTY.	DESCRIPTION
1	1921515SM	4	SCREW, 5/16-24 x 3/4" Hex Head Cap, GR 5
2	1924874SM	1	WASHER, 5/16" Flat
3	1725424SM	1	WIRE, Belt Stop
4	1920427SM	3	LOCKWASHER, 5/16" Exterior Tooth
5	*	1	ENGINE, 5HP Tecumseh, Model LH195SA-67427V
6	1726942SM	1	HOSE, Oil Drain
7	1931277SM	3	NUT, 5/16-18 Hex Flange Lock- small
8	1931277SM	1	NUT, 5/16-18 Hex Flange Lock
9	1715092SM	1	ROD, Idler
10	2816169SM	2	ROLL PIN, 3/16 x 3/4"
11	7072566SM	1	FRAME ASSEMBLY, Intermediate (Orange)
12	1926018SM	6	SPEED NUT, 1/4-20 U-Type
13	1666001SM	2	BUSHING, 1.00 long
14	1715559A	1	SUPPORT, Tie Bar
15	1929477SM	2	SCREW, #10-24 x 1/2" Hex Washer Self-Tap
16	1960251SM	4	JAM NUT, 3/8-16 Hex Center Lock
17	1924940SM	3	WASHER, 3/8" Flat
18	1674315SM	2	ROD, Belt Guide
19	1922694SM	4	NUT, 3/8-16 Hex Nyloc Heavy Thin
20	1715756A	1	SUPPORT, Frame
21	1924856SM	4	SCREW, 5/16-18 x 1/2" Hex Washer Self-Tap
22	1715111SM	1	SUPPORT, Pivot
23	1919381SM	2	WASHER, 5/16" Flat
24	1922127SM	3	SCREW, 5/16-18 x 1-3/4 Hex Head Cap, GR 5
25	1922127SM	1	SCREW, 5/16-18 x 1-3/4 Hex Head Cap, GR 5
26	7072555SM	1	COVER, Bottom, Orange
27	7091819SM	9	SCREW, 1/4-20 x 5/8" Hex Washer Self-Tap
28	1925125SM	1	WASHER, 7/16" Flat
29	1918451SM	1	COTTER PIN, 1/8 x 3/4"
30	1715112SM	1	IDLER ARM ASSEMBLY
31	1960268SM	1	BOLT, 3/8-16 x 1-1/4" Short Square Neck Carriage
32	2174870SM	1	SPACER, .377 ID x .75 OD x .312 Long
33	2118414SM	1	PULLEY, Idler
34	1717393SM	1	BELT, Auger Drive, V Groove
35	1715127SM	1	BELT, Traction Drive, V Groove
36	1715118SM	1	SPRING, Extension
37	1669313SM	1	PAD, Brake
38	2825160SM	2	RIVET, Blind
39	1717320SM	1	ASSEMBLY, Idler Arm w/Brake Pad
40	7091810SM	1	BOLT, 3/8-16 x 1-3/4 Short Square Neck Carriage, GR 5
41	1922755SM	1	WASHER, 3/8" Flat (.41 ID x 1.00 OD x .13 Thick)
42	1668477SM	1	PULLEY, Idler
43	1725379SM	1	COVER, Belt
44	1720237SM	1	SPRING, Idler- Extension

Footnotes

Note*See your local Tecumseh distributor for engine service parts.

The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694595 - 555M

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Engine, Pulleys, & Frame Group - 5HP Tecumseh

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

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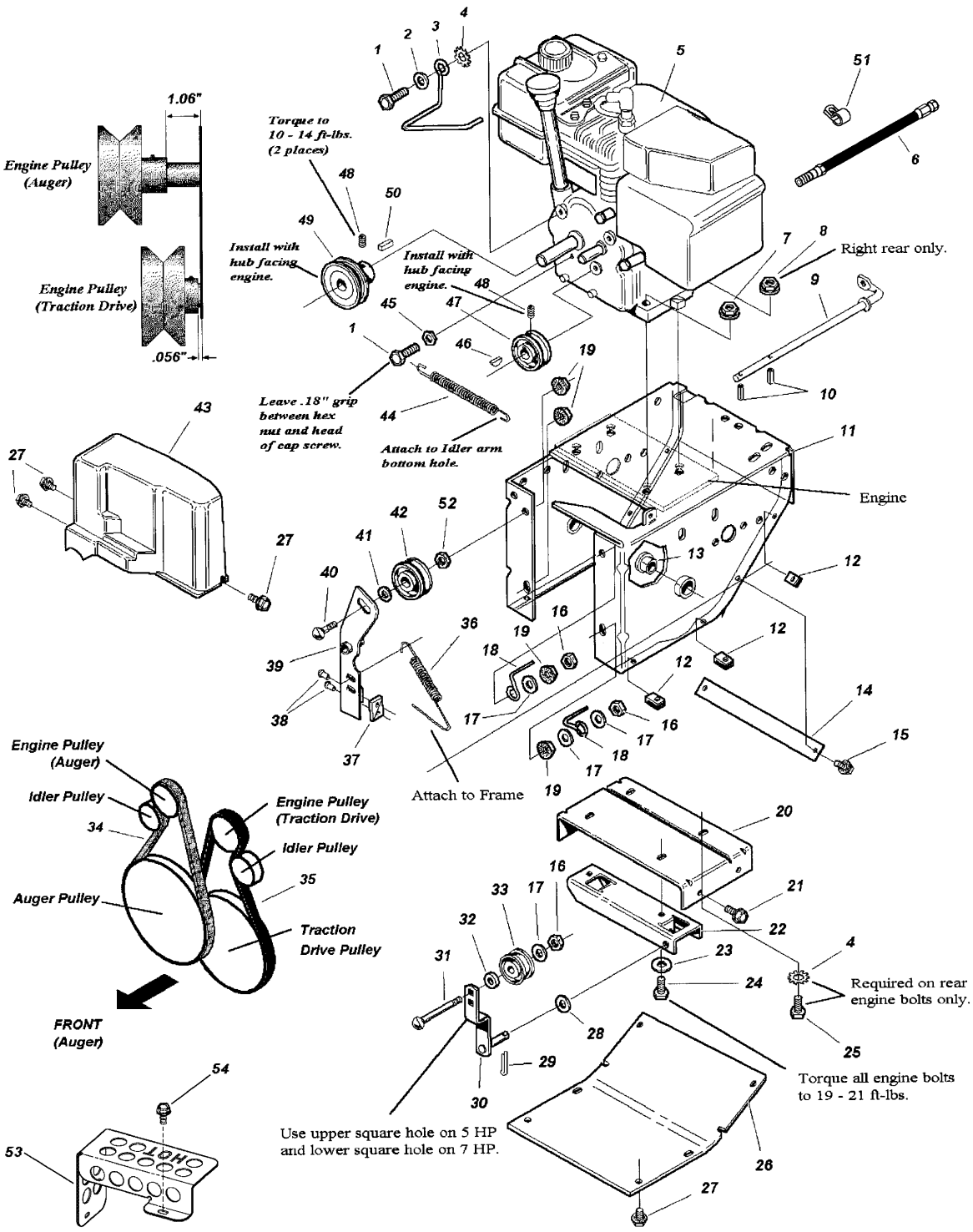
1.06"
Engine Pulley (Auger)
Engine Pulley (Traction Drive)
.056"
Torque to 10 - 14 ft-lbs. (2 places)
Install with hub facing engine.
Install with hub facing engine.
Leave .18" grip between hex nut and head of cap screw.
Attach to Idler arm bottom hole.
Right rear only.
Engine
Attach to Frame
Engine Pulley (Auger)
Idler Pulley
Engine Pulley (Traction Drive)
Idler Pulley
Auger Pulley
Traction Drive Pulley
FRONT (Auger)
Use upper square hole on 5 HP and lower square hole on 7 HP.
Required on rear engine bolts only.
Torque all engine bolts to 19 - 21 ft-lbs.

The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694595 - 555M

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Engine, Pulleys, & Frame Group - 5HP Tecumseh

REF NO	PART NO.	QTY.	DESCRIPTION
45	7092031SM	1	JAM NUT, 5/16-24 Hex
46	2824819SM	1	KEY - Hi Pro .125 x .625 HP 504 SAE1035
47	1674325SM	1	PULLEY, V Groove
48	7090201SM	2	SET SCREW, 5/16-18 x 5/16" Hex Recess, Cup Point
49	1720313SM	1	PULLEY, 2.75 OD
50	7010061SM	1	KEY, 3/16 Square x 1"
51	7015861SM	1	HARNESS CLIP
52	1930645SM	1	NUT, 3/8-16 Hex Flange Lock Two Way
53	7028090SM	1	MUFFLER GUARD, Domestic (Tecumseh)
54	7091075SM	1	SCREW, #10-24 x 5/8" Hex Washer Self-Tap
55	7034169SM	1	MUFFLER GUARD, Tecumseh Engine (CE/Export), not shown; Tecumseh p/n 127-18
56	7034254SM	2	SCREW. Tecumseh Muffler, not shown; Tecumseh p/n 42-671
57	7034251SM	2	LOCK WASHER, Tecumseh Muffler, not shown; Tecumseh p/n 36-351
58	7034239SM	2	WASHER, Tecumseh Muffler, not shown; Tecumseh p/n 36-195-1

Footnotes

Note*See your local Tecumseh distributor for engine service parts.

The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694595 - 555M

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Engine, Pulleys, & Frame Group - 8HP Briggs & Stratton

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

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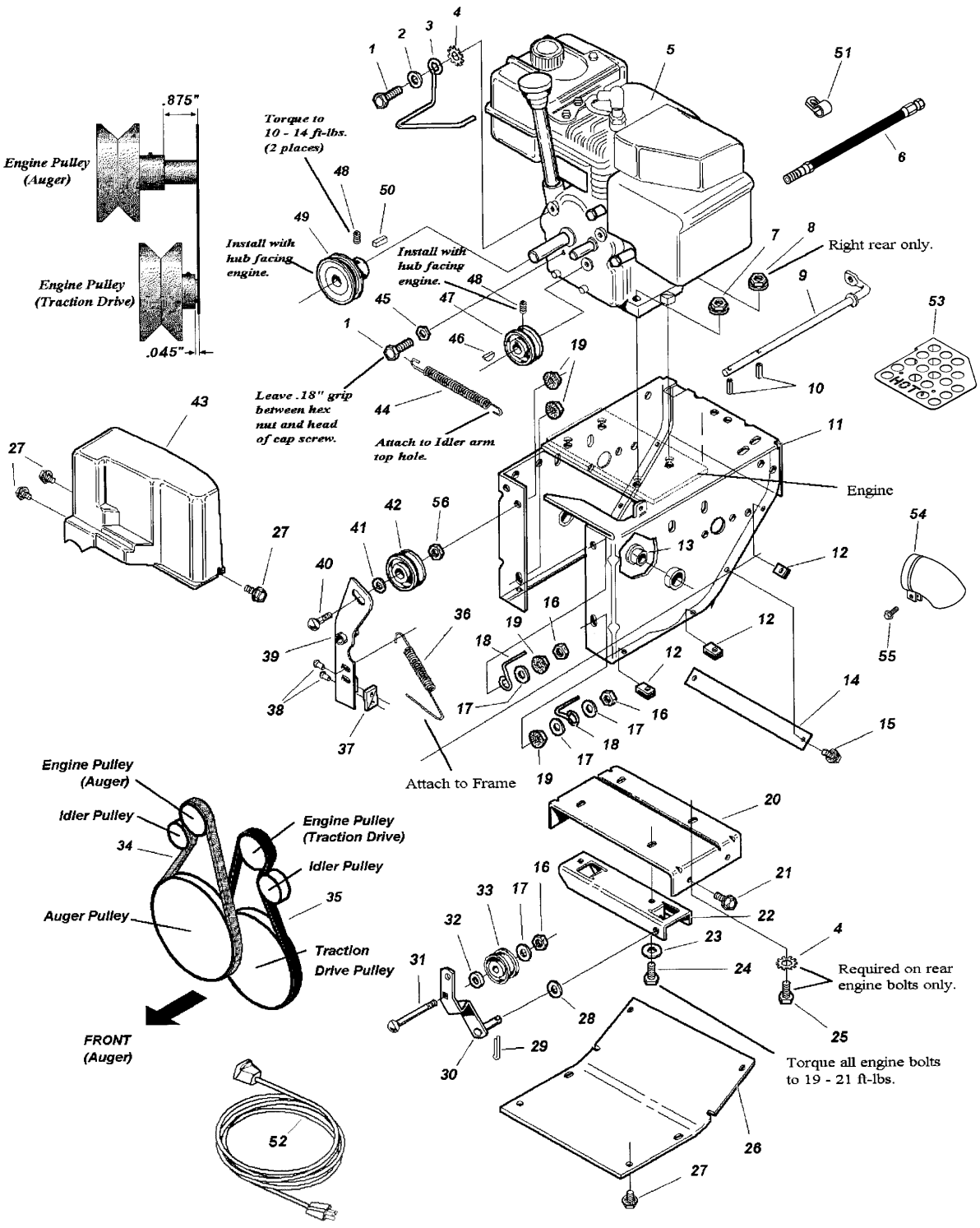

The above parts group applies to the following Mfg. Nos.:

1694588 - 860E

1694596 - 860M

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Engine, Pulleys, & Frame Group - 8HP Briggs & Stratton

REF NO	PART NO.	QTY.	DESCRIPTION
1	1921982SM	4	SCREW, 5/16-24 x 1-1/4" Hex Head Cap, GR 5
2	1924874SM	1	WASHER, 5/16" Flat
3	1725424SM	1	BELT STOP, Wire
4	1920427SM	3	LOCKWASHER, 5/16" Exterior Tooth
5	*	1	ENGINE, 8 HP Briggs, Model 12E394, Type 0110, Trim E1
5	*	1	ENGINE, 8HP Intek (Metric) Briggs & Stratton Model 12E396, Type 0111, Trim E1 (CE/Export)
6	1726942SM	1	HOSE, Oil Drain
7	1931277SM	3	NUT, 5/16-18 Hex Flange Lock- small
8	1931277SM	1	NUT, 5/16-18 Hex Flange Lock
9	1715092SM	1	ROD, Idler
10	2816169SM	2	ROLL PIN, 3/16 x 3/4"
11	7072566SM	1	FRAME ASSEMBLY, Intermediate (Orange)
12	1926018SM	6	SPEED NUT, 1/4-20 U-Type
13	1666001SM	2	BUSHING, 1.00 long
14	1715559A	1	SUPPORT, Tie Bar
15	1929477SM	2	SCREW, #10-24 x 1/2" Hex Washer Self-Tap
16	1960251SM	4	JAM NUT, 3/8-16 Hex Center Lock
17	1924940SM	4	WASHER, 3/8" SAE Flat
18	1674315SM	2	ROD, Belt Guide
19	1922694SM	4	NUT, 3/8-16 Hex Nyloc Heavy Thin
20	1715756A	1	SUPPORT, Frame
21	1924856SM	4	SCREW, 5/16-18 x 1/2" Hex Washer Self-Tap
22	1715111SM	1	SUPPORT, Pivot
23	1919381SM	2	WASHER, 5/16" Flat
24	1922127SM	3	SCREW, 5/16-18 x 1-3/4 Hex Head Cap, GR 5
25	1922127SM	1	SCREW, 5/16-18 x 1-3/4 Hex Head Cap, GR 5
26	7072555SM	1	COVER, Bottom, Orange
27	7091819SM	9	SCREW, 1/4-20 x 5/8" Hex Washer Self-Tap
28	1925125SM	1	WASHER, 7/16" Flat
29	1918451SM	1	COTTER PIN, 1/8 x 3/4"
30	1725369SM	1	IDLER ARM ASSEMBLY
31	1960268SM	1	BOLT, 3/8-16 x 1-1/4" Short Square Neck Carriage
32	2174870SM	1	SPACER, .377 ID x .75 OD x .312 Long
33	2118414SM	1	PULLEY, Idler
34	1717393SM	1	BELT, Auger Drive
35	1725371SM	1	V-BELT, Traction Drive
36	1715118SM	1	SPRING, Extension
37	1669313SM	1	PAD, Brake
38	2825160SM	2	RIVET, Blind
39	1717320SM	1	ASSEMBLY, Idler Arm w/Brake Pad
40	7091810SM	1	BOLT, 3/8-16 x 1-3/4 Short Square Neck Carriage, GR 5
41	1922755SM	1	WASHER, 3/8" Flat (.41 ID x 1.00 OD x .13 Thick)
42	1668477SM	1	PULLEY, Idler
43	1725379SM	1	COVER, Belt

Footnotes

Note*See your local Briggs distributor for engine service parts.

The above parts group applies to the following Mfg. Nos.:

1694588 - 860E
1694596 - 860M

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Engine, Pulleys, & Frame Group - 8HP Briggs & Stratton

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

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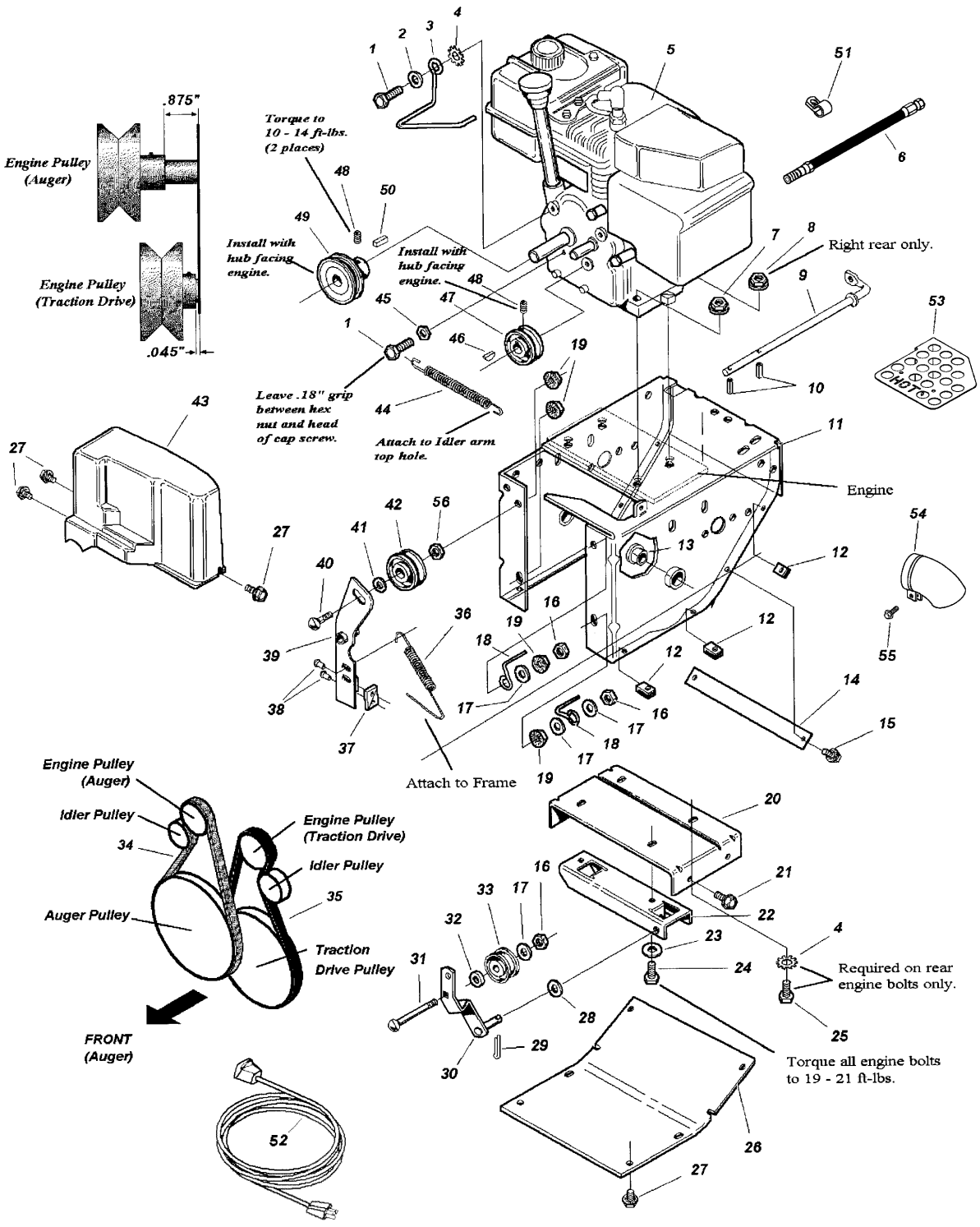

The above parts group applies to the following Mfg. Nos.:

1694588 - 860E

1694596 - 860M

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Engine, Pulleys, & Frame Group - 8HP Briggs & Stratton

REF NO	PART NO.	QTY.	DESCRIPTION
44	2159106SM	1	SPRING, Extension, .562 O.D. x 4.250 Long
45	2820438SM	1	JAM NUT, 5/16-24 Hex
46	2824819SM	1	KEY - Hi Pro .125 x .625 HP 504 SAE1035
47	1674325SM	1	PULLEY, V Groove
48	1960619SM	2	SET SCREW, 5/16-18 x 5/16" Hex Recess, Cup Point
49	1720313SM	1	PULLEY, 2.75 OD
50	2805850SM	1	KEY, 3/16 Square x 1"
51	7015861SM	1	HARNESS CLIP
52	1724064SM	1	CORD, Electric Start
53	1725665A	1	GUARD, Muffler
54	1727032SM	1	MUFFLER, Deflector- B&S
55	1727033SM	1	CAPSCREW, Thread Rolling M4 x 0.7, Briggs p/n 226462
56	1930645SM	1	NUT, 3/8-16 Hex Flange Lock Two Way, Briggs p/n 810140

Footnotes

Note*See your local Briggs distributor for engine service parts.

The above parts group applies to the following Mfg. Nos.:

1694588 - 860E
1694596 - 860M

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Auger & Impeller Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

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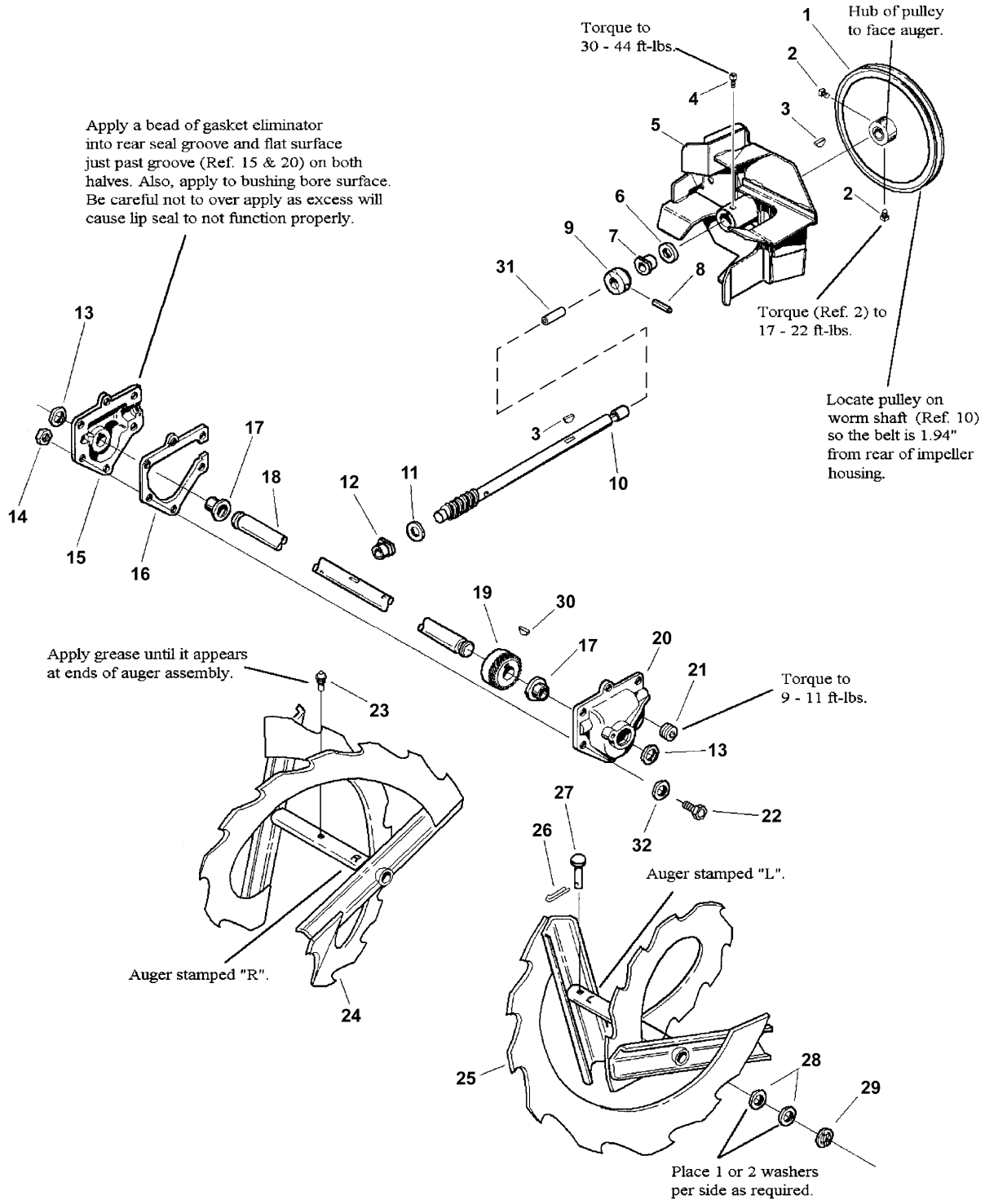
Torque to
30 - 44 ft-lbs.
Hub of pulley
to face auger.
Apply a bead of gasket eliminator
into rear seal groove and flat surface
just past groove (Ref. 15 & 20) on both
halves. Also, apply to bushing bore surface.
Be careful not to over apply as excess will
cause lip seal to not function properly.
Torque (Ref. 2) to
17 - 22 ft-lbs.
Locate pulley on
worm shaft (Ref. 10)
so the belt is 1.94"
from rear of impeller
housing.
Apply grease until it appears
at ends of auger assembly.
Torque to
9 - 11 ft-lbs.
Auger stamped "R".
Auger stamped "L".
Place 1 or 2 washers
per side as required.

The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694588 - 860E
1694595 - 555M
1694596 - 860M

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Auger & Impeller Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	1715091SM	1	PULLEY, Auger Input
2	1928721SM	2	SET SCREW, 5/16-18 x 1/2" Square Head Cup Point
3	2805123SM	2	KEY, 3/16 x 3/4" Woodruff
4	1960474SM	1	SET SCREW, 3/8-16 x 1/2" Square Head
5	1715120A	1	IMPELLER ASSEMBLY
6	1612093SM	1	OIL SEAL
7	1666425SM	1	BUSHING
8	2836098SM	1	PIN, Drive-Loc, 3/16 x 1-1/2"
9	1721680SM	1	COLLAR, Thrust
10	1660655SM	1	SHAFT, Rolled Worm
11	1670971SM	1	WASHER, Thrust (.562 ID x 1.000 OD x .030/.032 Thick)
12	1666424SM	1	FLANGE, Bushing
13	1676027SM	2	OIL SEAL
14	7092126SM	6	NUT 1/4-20 Hex Center Lock
15	1726733SM	1	GEAR CASE, RH- Intermediate
16	1721676SM	1	GASKET, Gear Case
17	1676026SM	2	BUSHING
18	1726538SM	1	SHAFT, Auger, 22"/24"
19	1676024SM	1	GEAR, Worm
20	1726732SM	1	GEAR CASE, LH- Intermediate
21	2860625SM	1	PIPE PLUG, 1/8-27 NPTF 3/4 Taper x .31 Long Hex Drive
22	7092125SM	6	SCREW, 1/4-20 x 7/8" Hex Head Cap, GR 5
23	2821133SM	1	FITTING, Grease
24	1726536SM	1	AUGER ASSEMBLY, 22" RH
25	1726535SM	1	AUGER ASSEMBLY, 22" LH
26	1918447SM	2	COTTER PIN, 3/32 x 3/4"
27	1668344SM	2	SHEAR PIN, .248 ID x 1-3/4" Long
28	1960114SM	4	WASHER
29	2827794SM	2	RING, Retaining
30	7015894SM	1	KEY, #605 Woodruff
31	1612112SM	1	TUBE, Low Density Polyethylene Extruded
32	7092127SM	12	FLAT WASHER, .268 ID x .591 OD x .063 Thick

Footnotes

The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694588 - 860E
1694595 - 555M
1694596 - 860M

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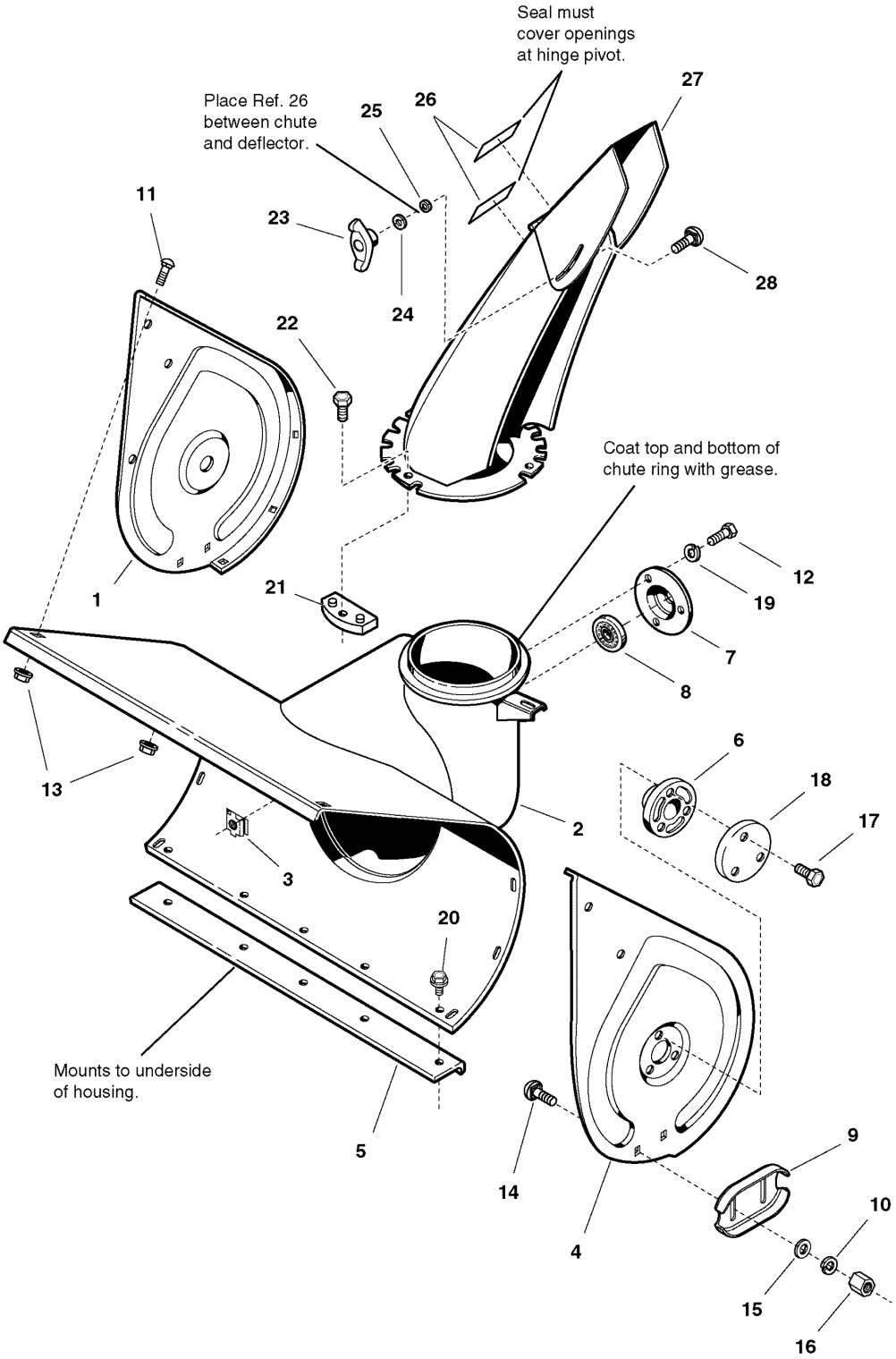
Auger Housing Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

070ch3pc



The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694588 - 860E
1694595 - 555M
1694596 - 860M

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Auger Housing Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	7072543SM	1	END PLATE, RH- Auger Housing, Orange
2	7072548SM	1	AUGER HOUSING ASSEMBLY, 22" (Orange)
2	7072568SM	1	AUGER HOUSING ASSEMBLY, 24" (Orange)
3	1930659SM	3	RETAINER NUT, 5/16-18
4	7072546SM	1	END PLATE, LH- Auger Housing, Orange
5	1675080A	1	BLADE, Scraper- 22 inch
5	1725352A	1	BLADE, Scraper- 24 inch
6	1726457SM	2	BEARING, Auger
7	1665982ASM	1	RETAINER, Bearing
8	2108202SM	1	BALL BEARING
9	1727854CSM	2	SKID SHOE, Reversible, Orange
10	1916965SM	4	WASHER, 3/8 inch Split Lock
11	1931315SM	12	BOLT, 1/4-20 x 1/2 Short Square Neck Carriage, GR 5
12	1925205SM	3	SCREW, 5/16-18 x 5/8 Hex Head Cap, GR 5
13	1930641SM	12	NUT, 1/4-20 Hex Flange Lock Large
14	1960711SM	4	CARRIAGE BOLT, 3/8-16 x 3/4
15	1924940SM	4	WASHER, 3/8 Flat
16	1960687SM	4	NUT, 3/8-16 Hex Nyloc
17	7091841SM	6	SCREW, 5/16-18 x 1 Hex Washer Self-Tap
18	7072551SM	2	CAP, Bearing, Orange
19	1917356SM	3	WASHER, 5/16 Split Lock
20	1929000SM	5	SCREW, 1/4-20 x 3/8 Hex Washer Self-Tap
21	7011938SM	3	RETAINER, Spout
22	7091075SM	6	SCREW, #10-24 x 5/8 Hex Washer Self-Tap
23	1716632SM	1	KNOB, Wing 5/16-18
24	7091076SM	2	WASHER, .34 x .69 x .08 Flat
25	2860210SM	3	WASHER, Nylon
26	1706085SM	2	DECAL, Hinge, Orange
27	7073192SM	1	CHUTE, Discharge
28	7090316SM	1	CARRIAGE BOLT, 5/16-18 x 3/4, GR5

Footnotes

The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694588 - 860E
1694595 - 555M
1694596 - 860M

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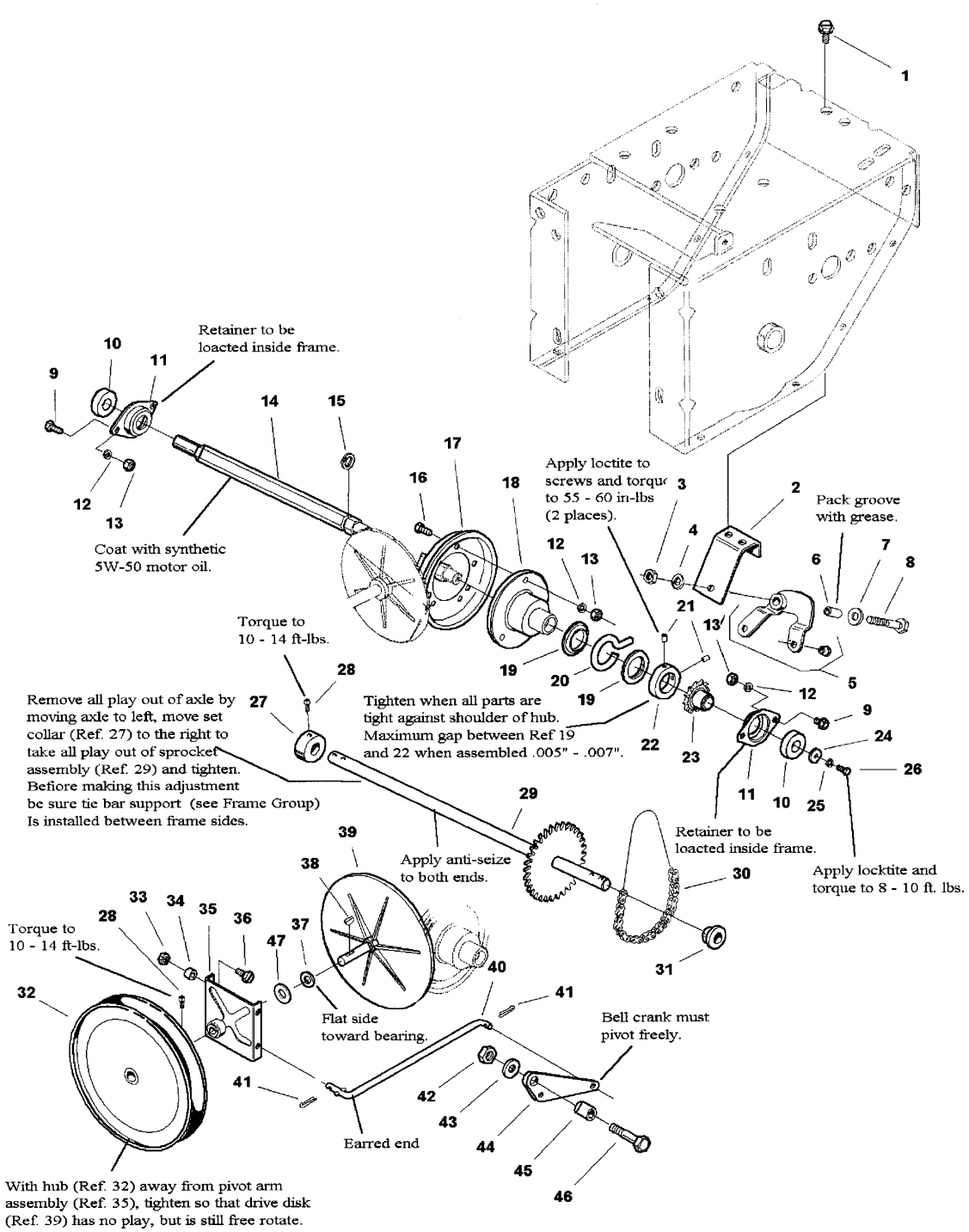
Traction Drive Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

070tdg


Retainer to be loacted inside frame.
Coat with synthetic 5W-50 motor oil.
Apply loctite to screws and torque to 55 - 60 in-lbs (2 places).
Pack groove with grease.
Torque to 10 - 14 ft-lbs.
Remove all play out of axle by moving axle to left, move set collar (Ref. 27) to the right to take all play out of sprocket assembly (Ref. 29) and tighten. Before making this adjustment be sure tie bar support (see Frame Group) Is installed between frame sides.
Tighten when all parts are tight against shoulder of hub. Maximum gap between Ref 19 and 22 when assembled .005" - .007".
Apply anti-seize to both ends.
Retainer to be loacted inside frame.
Apply locktite and torque to 8 - 10 ft. lbs.
Torque to 10 - 14 ft-lbs.
Flat side toward bearing.
Bell crank must pivot freely.
Earred end
With hub (Ref. 32) away from pivot arm assembly (Ref. 35), tighten so that drive disk (Ref. 39) has no play, but is still free rotate.

The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694588 - 860E
1694595 - 555M
1694596 - 860M

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Traction Drive Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	1930601SM	3	SCREW, 5/16-18 x 5/8" Hex Washer Self-Tap
2	1673994A	1	BRACKET, Bushing
3	7091302SM	1	NUT, 3/8-16 Hex, GR 5 or B
4	1916965SM	1	WASHER, 3/8" Split Lock
5	1669256SM	1	ASSEMBLY, Shift Arm w/Bushing
6	1666114SM	1	BUSHING, Spacer, .380 ID x .750 OD x 1.030 Long
7	1924940SM	1	WASHER, 3/8" SAE Flat
8	1923701SM	1	SCREW, 3/8-16 x 2" Hex Head Cap, GR 5
9	1925205SM	4	SCREW, 5/16-18 x 5/8" Hex Head Cap, GR 5
10	1705897SM	2	BALL BEARING, .669 ID x .574 OD
11	1667341SM	2	RETAINER, Bearing
12	1917356SM	4	LOCKWASHER, 5/16" Spring
13	1917372SM	7	NUT, 5/16-18 Hex, GR B or 5
14	7072432SM	1	HEX SHAFT
15	2827794SM	1	RING, External Retaining (for 3/4 Dia Shaft)
16	1921332SM	3	SCREW, 5/16-18 x 3/4" Hex Head Cap
17	7010765SM	1	DRIVEN DISC
18	1665995SM	1	HUB, Friction Disc
19	1678956SM	2	COLLAR, Thrust
20	1666207SM	1	PIN, Slide
21	1724333SM	2	SET SCREW, 1/4-20 x 1/2 w/Patch Lock
22	1667335SM	1	COLLAR, Set, 1.251 ID x 2.00 OD x .50 Long
23	7072459SM	1	SPROCKET #35, 12 Tooth
24	1960353SM	1	WASHER, 1/4 ID x 5/8 OD x .134/.109 Flat
25	1916964SM	1	LOCKWASHER, 1/4" Spring
26	1923341SM	1	SCREW, 1/4-20 x 3/4" Hex Head Cap, GR 5
27	1729254SM	1	COLLAR, Set, .756 ID x 1.249 OD x .50
28	1928721SM	2	SET SCREW, 5/16-18 x 1/2" Square Head Cup Point
29	7072474SM	1	AXLE & SPROCKET ASSEMBLY
30	7072491SM	1	CHAIN, Roller, #35, 25.5" Long
31	1715101SM	1	BUSHING
32	1715253SM	1	PULLEY, Traction
33	1935048SM	2	NUT, 5/16-18 Large Head Center Lock
34	1665844SM	2	SPACER, .328 ID x .562 OD x .144/.149 Thick
35	1726778SM	1	ASSY, Pivot Plate/Hub w/Bearing
36	1925205SM	2	SCREW, 5/16-18 x 5/8 Hex Head Cap, GR 5
37	1666379SM	1	WASHER
38	2830672SM	1	KEY, Hi-Pro, .188 x .62
39	1719879SM	1	DRIVE DISC, w/ Spindle
40	1715131SM	1	ROD, Pivot
41	1918451SM	2	COTTER PIN, 1/8 x 3/4"
42	1919438SM	1	NUT, 5/16-18 Hex Nyloc Light
43	1919326SM	2	WASHER, .312 (.34 ID x .75 OD)
44	1700473SM	1	BELLCRANK

Footnotes

The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694588 - 860E
1694595 - 555M
1694596 - 860M

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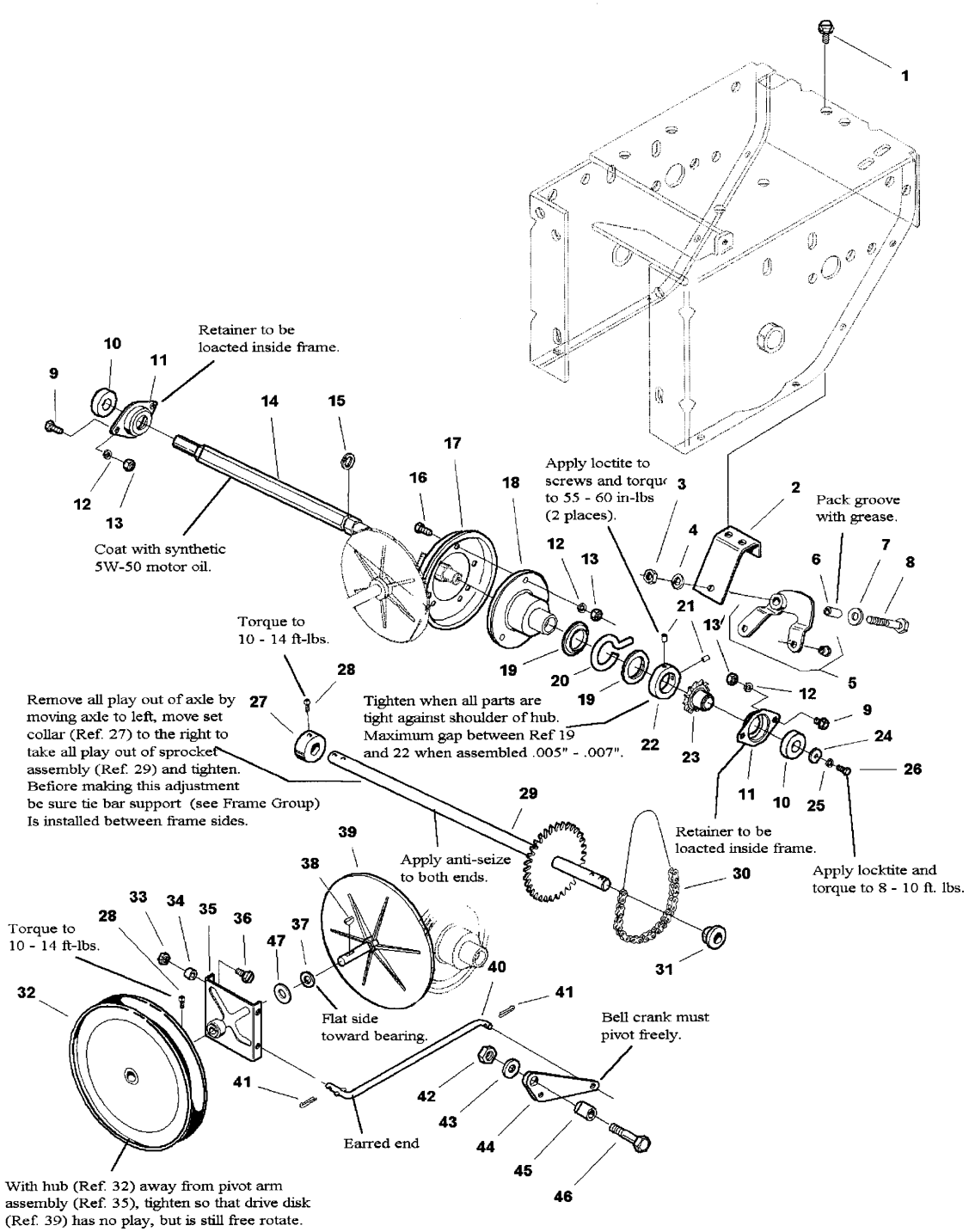
Traction Drive Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

070tdg


Retainer to be loacted inside frame.
Coat with synthetic 5W-50 motor oil.
Apply loctite to screws and torque to 55 - 60 in-lbs (2 places).
Pack groove with grease.
Torque to 10 - 14 ft-lbs.
Remove all play out of axle by moving axle to left, move set collar (Ref. 27) to the right to take all play out of sprocket assembly (Ref. 29) and tighten. Before making this adjustment be sure tie bar support (see Frame Group) Is installed between frame sides.
Tighten when all parts are tight against shoulder of hub. Maximum gap between Ref 19 and 22 when assembled .005" - .007".
Apply anti-seize to both ends.
Retainer to be loacted inside frame.
Apply locktite and torque to 8 - 10 ft. lbs.
Torque to 10 - 14 ft-lbs.
Flat side toward bearing.
Bell crank must pivot freely.
Earred end
With hub (Ref. 32) away from pivot arm assembly (Ref. 35), tighten so that drive disk (Ref. 39) has no play, but is still free rotate.

The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694588 - 860E
1694595 - 555M
1694596 - 860M

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Traction Drive Group

REF NO	PART NO.	QTY.	DESCRIPTION
45	1666106SM	1	BUSHING
46	1922127SM	1	SCREW, 5/16-18 x 1-3/4 Hex Head Cap, GR 5
47	1924366SM	1	WASHER, Plain, .75 ID x 1.31.OD x .10

Footnotes

The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694588 - 860E
1694595 - 555M
1694596 - 860M

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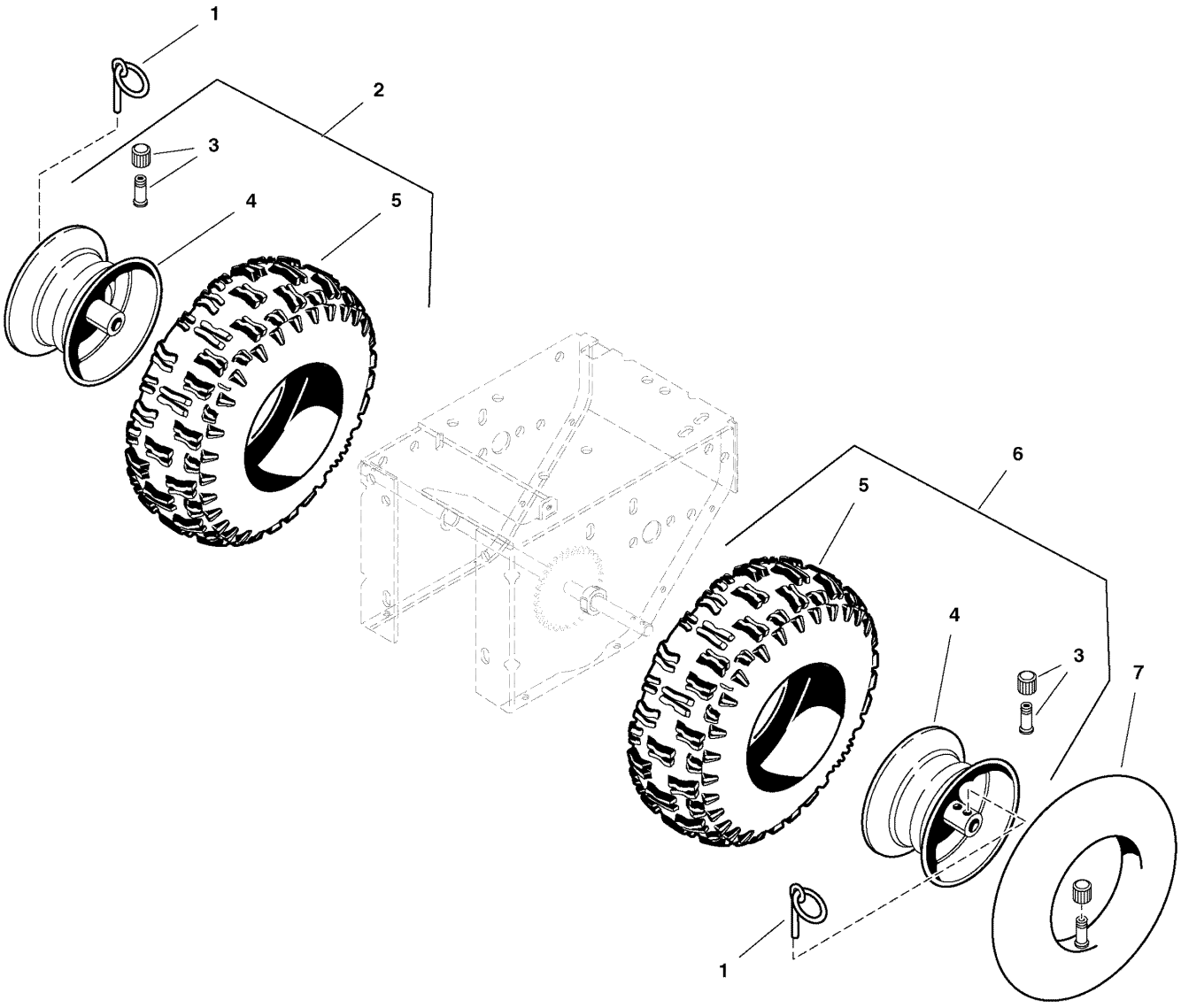
NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

070wheel



The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694588 - 860E
1694595 - 555M
1694596 - 860M

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Wheels & Tires Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	1666969SM	2	KLIK- PIN, .310 ID x 1-3/4" Long
2	1726747SM	1	WHEEL & TIRE ASSEMBLY, RH (Includes Ref. Nos. 3, 4 & 5)
3	2172353SM	2	VALVE STEM AND CAP
4	1723286SM	2	RIM, 6 x 3.25 (Weldment)
5	7026169SM	2	TIRE, 15 x 5.00-6, 2 Ply, Carlisle X-Trac
6	1726746SM	1	WHEEL & TIRE ASSEMBLY, LH (Includes Ref. Nos. 3, 4 & 5)
7	1664090SM	1	TUBE, Tire *

Footnotes

Note* Optional tire tube.

The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694588 - 860E
1694595 - 555M
1694596 - 860M

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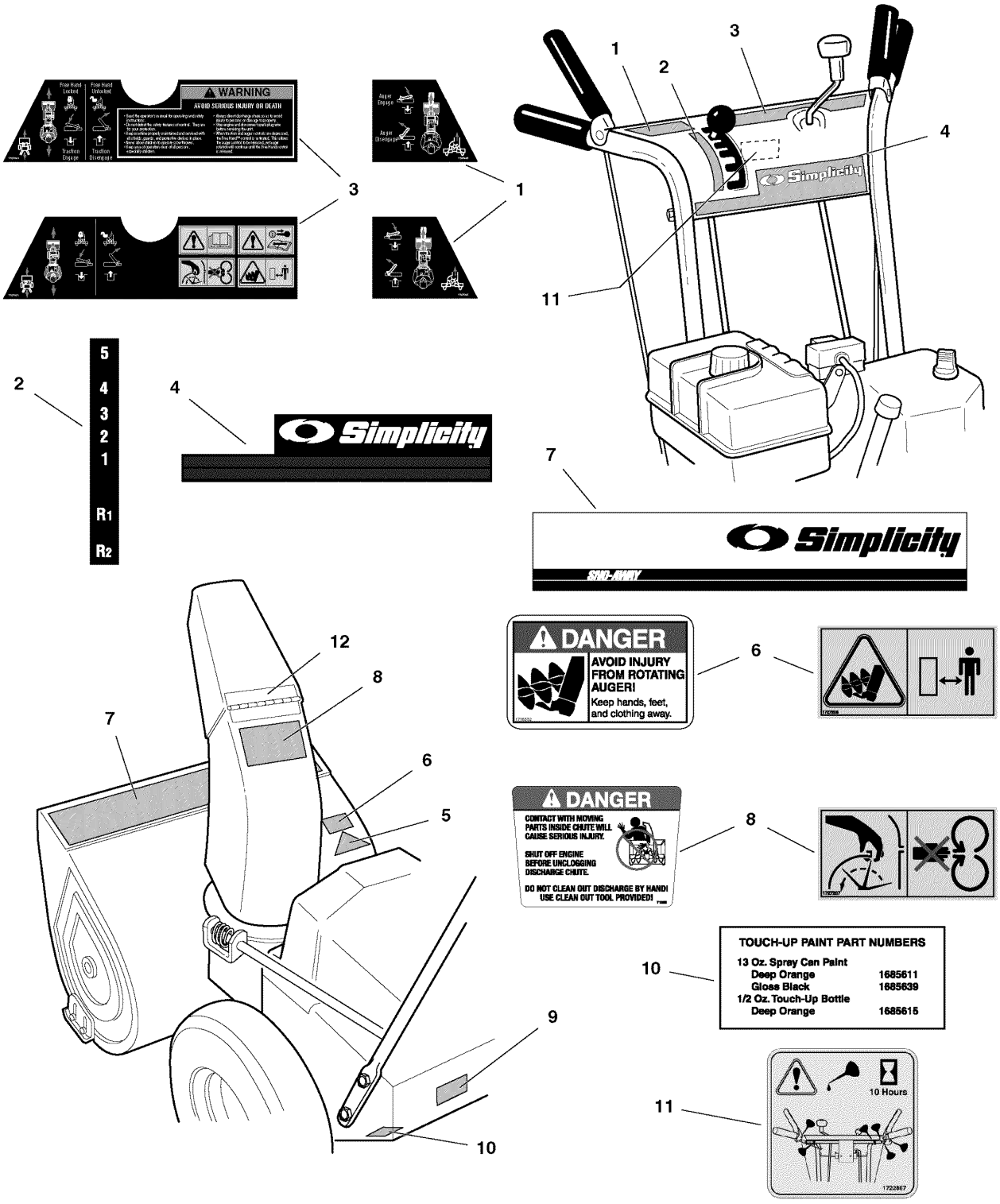
Decals Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

070dcl



The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694588 - 860E
1694595 - 555M
1694596 - 860M

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Decals Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	1726946SM	1	DECAL, Dashboard, RH
1	1727023SM	1	DECAL, Dashboard, RH CE
2	1715557SM	1	DECAL, Shift Pattern
3	1727020SM	1	DECAL, Dashboard, LH
3	1727021SM	1	DECAL, Dashboard, LH CE
4	1715558SM	1	DECAL, Dash Front, Simplicity
5	*	1	DECAL, OPEI (Not Serviced)
6	1716532SM	1	DECAL, Danger, Auger
6	1727208SM	1	DECAL, Auger Warning, CE
7	1714108SM	1	DECAL, Stripe, Simplicity Intermediate 555
7	1725374SM	1	DECAL, Stripe, Simplicity Intermediate 860
8	7071880SM	1	DECAL, Danger, Chute/Deflector
8	1727207SM	1	DECAL, Chute Warning, CE
9	*	1	I.D. Tag (Not Serviced)
10	1720454SM	1	DECAL, Paint
11	1722867SM	1	DECAL, Lube, Controls
12	1706085SM	2	DECAL, Hinge, Orange

Footnotes

(Not Shown)
(Used on CE Models)

The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694588 - 860E
1694595 - 555M
1694596 - 860M

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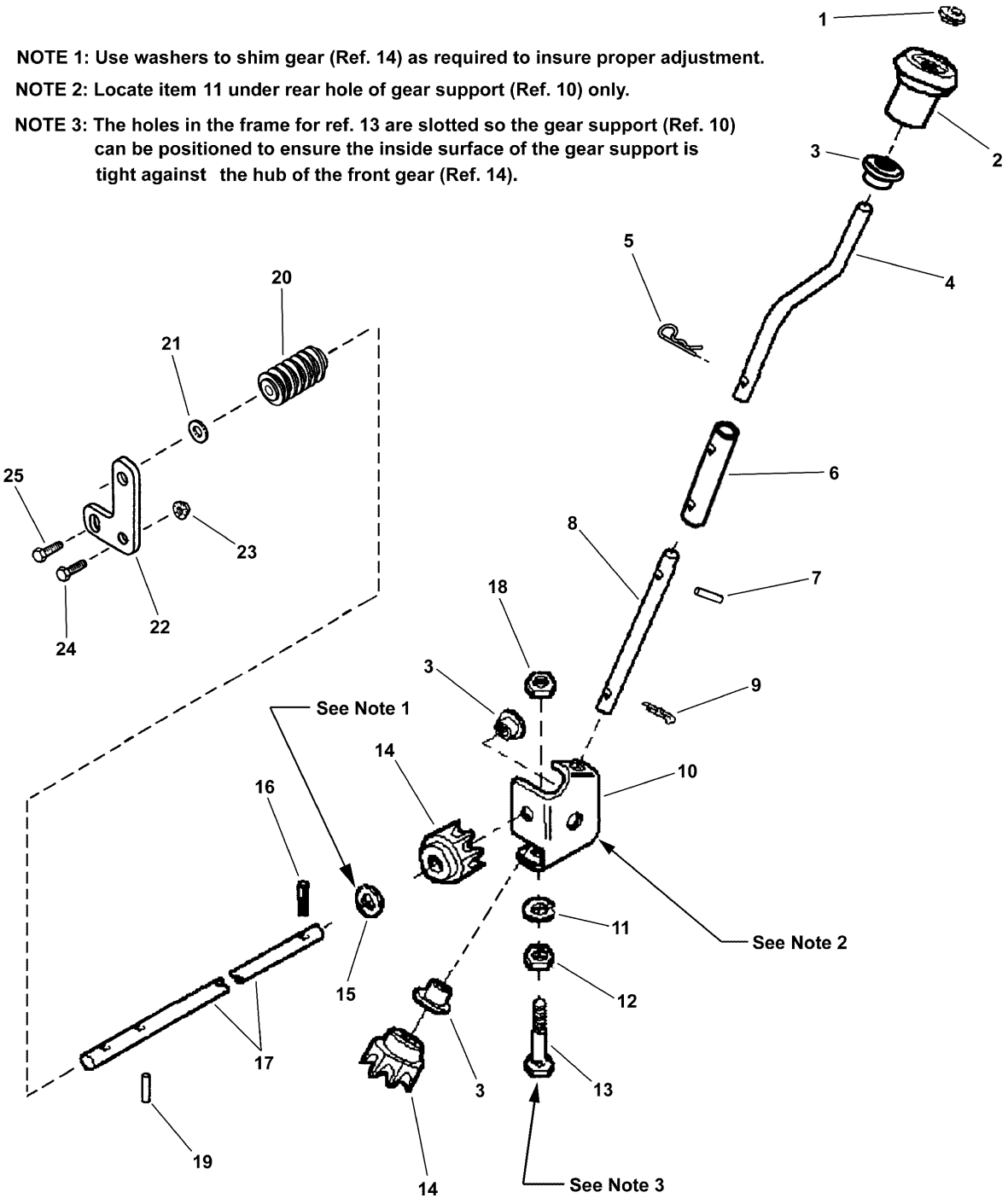
Chute Crank Control Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

070ccctr



The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694588 - 860E
1694595 - 555M
1694596 - 860M

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Chute Crank Control Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	1960093SM	1	PUSH NUT, Pal. .375 Dia. Stud Cap
2	1714084SM	1	KNOB, Spinner
3	1667588SM	3	BUSHING, .376 x .437 x .20
4	7028152SM	1	ROD, Chute, Upper
5	1960074SM	1	CLIP, .093 Dia. Hair Pin
6	1720577SM	1	SPLICE, Chute Handle
7	1926228SM	1	SPRING PIN, .156 x 1.000
8	1726939SM	1	ROD, Chute Lower
9	1918452SM	1	COTTER PIN, .125 x 1.00
10	1718793SM	1	BRACKET, Universal Gear
11	1921319SM	3	WASHER, .250 (.27 ID x .62 OD)
12	1960518SM	2	RETAINER, 1/4" Bolt
13	1960252SM	2	BOLT, 1/4-20 x 5/8" Short Square Neck Carriage
14	1718593SM	2	GEAR, Universal
15	1960103SM	1	WASHER, 3/8" Flat- Black
16	2816168SM	1	SPRING PIN, .125 x .750
17	7028159SM	1	WORM SHAFT
18	1960294SM	2	NUT, 1/4-20 Hex Flange Lock
19	7014001SM	1	ROLL PIN, 1/8 x 3/4"
20	7028348SM	1	WORM
21	7011724SM	1	WASHER, .44 x .78 x .025 Curved
22	7028162SM	1	BRACKET, Worm
23	7091601	1	NUT, 5/16-18 Hex Flange Lock
24	1925205SM	1	SCREW, 5/16-18 x 5/8" Hex Head Cap, GR 5
25	7091122SM	1	SCREW, 1/4-20 x 1/2" Hex Washer Self-Tap

Footnotes

The above parts group applies to the following Mfg. Nos.:

1694587 - 555M
1694588 - 860E
1694595 - 555M
1694596 - 860M

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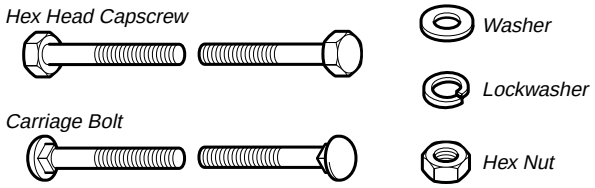
Hardware Identification & Torque Specifications

Common Hardware Types

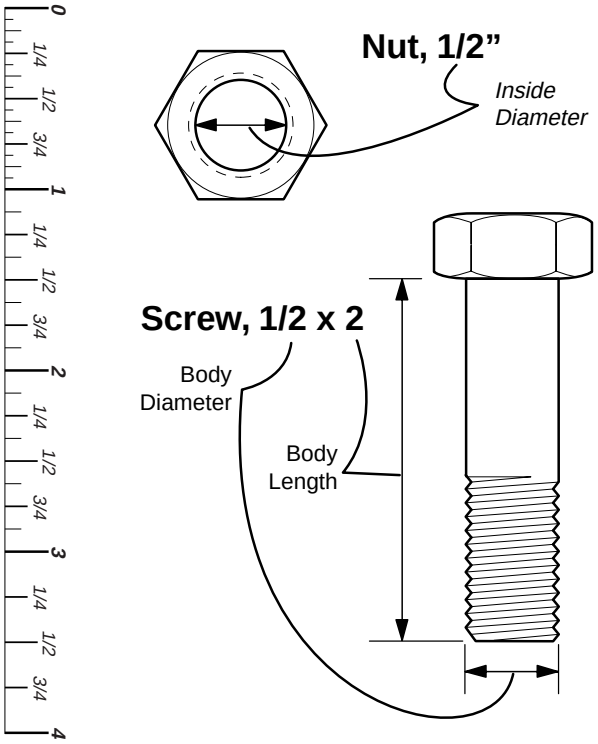


Standard Hardware Sizing

When a washer or nut is identified as **1/2"**, this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch; if a second number is present it represent the *threads per inch*

When bolt or capscrew is identified as **1/2 - 16 x 2"**, this means the *Nominal size*, or *body diameter* is 1/2 inch; the second number represents the *threads per inch* (16 in this example, and the final number is the *body length* of the bolt or screw (in this example 2 inches long).

The guides and ruler furnished below are designed to help you select the appropriate hardware and tools.



Torque Specification Chart

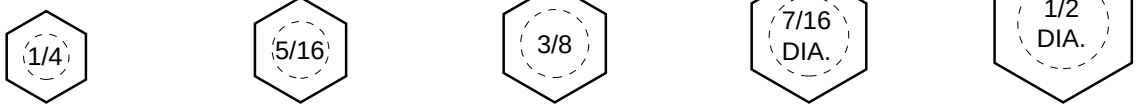
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)

Hardware Grade	No Marks SAE Grade 2		SAE Grade 5		SAE Grade 8	
Size Of Hardware	*in/lbs* **ft/lbs**	Nm.	*in/lbs* **ft/lbs**	Nm.	**in/lbs** **ft/lbs**	Nm.
8-32	*19*	2.1	*30*	3.4	*41*	4.6
8-36	*20*	2.3	*31*	3.5	*43*	4.9
10-24	*27*	3.1	*43*	4.9	*60*	6.8
10-32	*31*	3.5	*49*	5.5	*68*	7.7
1/4-20	*66*	7.6	**8**	10.9	**12**	16.3
1/4-28	*76*	8.6	**10**	13.6	**14**	19.0
5/16-18	**11**	15.0	**17**	23.1	**25**	34.0
5/16-24	**12**	16.3	**19**	25.8	**27**	34.0
3/8-16	**20**	27.2	**30**	40.8	**45**	61.2
3/8-24	**23**	31.3	**35**	47.6	**50**	68.0
7/16-14	**30**	40.8	**50**	68.0	**70**	95.2
7/16-20	**35**	47.6	**55**	74.8	**80**	108.8
1/2-13	**50**	68.0	**75**	102.0	**110**	149.6
1/2-20	**55**	74.8	**90**	122.4	**120**	163.2
9/16-12	**65**	88.4	**110**	149.6	**150**	204.0
9/16-18	**75**	102.0	**120**	163.2	**170**	231.2
5/8-11	**90**	122.4	**150**	204.0	**220**	299.2
5/8-18	**100**	136	**180**	244.8	**240**	326.4
3/4-10	**160**	217.6	**260**	353.6	**386**	525.0
3/4-16	**180**	244.8	**300**	408.0	**420**	571.2
7/8-9	**140**	190.4	**400**	544.0	**600**	816.0
7/8-14	**155**	210.8	**440**	598.4	**660**	897.6
1-8	**220**	299.2	**580**	788.8	**900**	1,244.0
1-12	**240**	326.4	**640**	870.4	**1,000**	1,360.0

NOTES

1. These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
2. Recommended seating torque values for locknuts:
   a. for prevailing torque locknuts - use 65% of grade 5 torques.
   b. for flange whizlock nuts and screws - use 135% of grade 5 torques.
3. Unless otherwise noted on assembly drawings, all torque values must meet this specification.

Wrench & Fastener Size Guide



1/4" Bolt or Nut
Wrench—7/16"

5/16" Bolt or Nut
Wrench—1/2"

3/8" Bolt or Nut
Wrench—9/16"

7/16" Bolt or Nut
Wrench (Bolt)—5/8"
Wrench (Nut)—11/16"

1/2" Bolt or Nut
Wrench—3/4"

Simplicity

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